



Chemical Monitoring Waiver Application for Large Systems

(wells pumping more than 57,600 gallons per day and/or
systems serving more than 1,000 people)

Waiver Due Date(s)

___ VOC

___ SOC

Section 1. Source and Owner Identification

- All systems must renew their waivers every three years regardless of waiver duration.
- If you have more than one well there should be one application for each well.
- Answer all questions and fill in all unshaded boxes.
- Be sure to return the completed application(s) prior to your waiver expiration date.
- The protocol for granting sampling waivers are established by Env-Dw 712.19.

System and Source ID #	
System Name	
Town	
Source Type and Description	
System Type	
System Owner	
Owner's Address	
Person to Contact about this application	
Contact's Phone No. & E-Mail Address	
Contact's Address	

Section 2. Wellhead Protection Area

The Wellhead Protection Area (WHPA) is the land area from which water is likely to flow to your well(s). Its size depends on the type of well(s) you have and on the maximum daily volume from your well(s). **Maximum Daily Volume** is your highest 24-hour non-emergency water usage or an estimated volume*. Some bedrock wells and most non-bedrock wells have volumes established by DES. Established volumes cannot be changed.

A volume for this well has been approved by DES.
A wellhead protection area approved by the DES for this well is shown on the enclosed map. Use the delineation shown on the map to complete this application.

VOLUME IN GPD**:

**DO NOT REVISE THIS VOLUME- DO NOT FILL OUT THE SECTION BELOW
GO DIRECTLY TO SECTION 3.**

DELINEATION CODE:
(for office use only)

➔ If there is no volume listed in the box above please fill out the information in the box below.

Your previous maximum daily volume was:		GPD
Write your updated maximum volume in the box to the right. (If volume has not changed please enter SAME)	GPD	
Your updated maximum daily volume was derived by (circle one): If you circled "estimate", write the formula you used below: (example: 10 houses X 3 bedrooms per house X 150 gpd = 4500 gpd).	Meter	OR Estimate

* Table 1 on Attachment 1 contains information for estimating volumes. ** GPD-gallons per day

Section 2. WHPA (continued)

WHPAs for most bedrock wells are circles. The size of the circle depends on the maximum daily volume. Using the maximum daily volume listed on the first page, look up the size of the circle in Table 1 to the right and enter it into the box below. ***If a volume and a WHPA have been approved by the DES please use the WHPA shown on the map, do not revise it and skip to Section 3.***

Table 1-WHPA	
Volume (gallons)	Radius (feet)
14,401-28,800	2,050
28,801-43,200	2,850
43,201-57,600	3,600
57,600+	4,000

Updated WHPA radius:

feet

Your previous WHPA radius was _____ feet. Compare your updated radius to your previous radius.

If the WHPA is unchanged, go to Section 3.

If they are different use your new radius to draw your updated WHPA on the enclosed map.

(For two or more wells less than 100 feet apart draw a single circle around a midpoint between the wells. For two or more wells more than 100 feet apart, draw individual circles).

Section 3. Inventory of Potential Contamination Sources (PCSs)

A PCS is a facility that stores, uses, or handles hazardous substances such as gasoline or chemicals in greater than household quantities.

A PCS inventory includes your entire WHPA(s). Do not assume that the enclosed map shows all the PCSs that exist in your WHPA.

Why do I have to update my inventory of PCSs?

PCSs represent potential threats to your well(s) because they use, handle, or store hazardous substances. The Chemical Monitoring Waiver Program requires that you identify and educate all potential threats to your well(s) within your WHPA to minimize the chance of a release of contaminants. You must have an accurate, up-to-date inventory of PCSs to ensure that you educate all the PCSs that currently exist in your WHPA.

How do I update my inventory of PCSs?

Step 1: Refer to the enclosed map to see if it shows any PCSs in your WHPA. Check to make sure that the map and accompanying report are accurate.

Step 2: Conduct a visual search, called a **windshield survey**, of your entire WHPA to look for PCSs that exist but are not shown on the map. To do a windshield survey you must drive all the roads in your WHPA.

Step 3: Mark the locations of any additional PCSs that you find during the windshield survey on the map and add their names and addresses to the report of PCSs.

Step 4: If there are changes, make copies of the revised map and report of PCSs to return to the DES with this application.

Did you complete steps 1 - 4?	Yes	No
Did you find any additional PCSs during your windshield survey?	Yes	No
Are there any PCSs in your WHPA(s)?	Yes	No
Are there any changes to the map or report?	Yes	No

Section 4. Land Uses near the Well

The sanitary protection area (SPA) is the land immediately around a well. Ideally, the SPA is kept in a natural state to help protect the well. High risk land uses may increase a well's susceptibility to potential contamination.

The sanitary protection area (SPA) for this well is _____ feet. Is the SPA of this well in a natural state ? Natural state is defined as the <u>absence</u> of any man-made objects or human activity (including agriculture) within the SPA except a pumphouse and its access road.	Yes No
If you answered NO: List the land uses within your SPA in the box below. Be sure to list any of the following items: homes, heating oil tanks, fuel for generators, ATV or other trails, septic systems, parking areas, petroleum/chemical storage, sheds, garages, other storage buildings and their type, dumpsters, transformers for power stations, commercial food crops, animal herds, cemeteries, landscaped areas and whether they are treated or not. BE SPECIFIC.	
Is this well situated within 50 feet of a vehicle parking area?	Yes No
Does the SPA around this well contain any septic system leachfields?	Yes No
Does the SPA around this well contain any fuel tanks, including those in houses/buildings used for heating? If yes, list fuel type and location (outside, inside, covered, etc.).	Yes No
Does the system have any VOC or SOC treatment system in place? If so, please describe:	Yes No
Is any part of the SPA situated within an agricultural area, lawn/landscaped area, athletic field/recreational field, or right of way? If so, please list land use type(s) and distance(s) from the well:	Yes No
If yes, is the area treated with chemicals? Please list chemicals:	Yes No
Is any part of the SPA situated within the cleared area beneath a large, utility-owned, overhead power line?	Yes No
Is the well within 1000 feet of a golf course fairway, tee box or green?	Yes No
Is this well situated within 50 feet or less from an active railroad track?	Yes No

Section 5. Educational Mailing

Why do an educational mailing? The purpose of educating businesses and residents in the WHPA is to minimize the likelihood of a release of contaminants in the sensitive area that contributes groundwater to your well. The educational materials inform the reader that they are in your WHPA and that their actions could affect the quality of your source of water.

What do I have to do? The educational mailing is done after your waiver renewal is approved. For this application, an authorized representative of the water system must agree to properly distribute the educational materials. In the box below, write the name and address of the person responsible for the mailing so that the sample materials are sent to the correct person.

Name & Address of Person Responsible for Educational Mailing:

Educational materials are sent to all the PCSs in the updated inventory you prepared in Section 3 and to all the residents and non-PCS businesses in your WHPA. Educational materials should also be posted on your premises where employees, tenants, students, etc. can read them. The DES will send sample educational materials and instructions with the waiver

approval letter. Once the mailing has been completed a form certifying that the mailing was done needs to be signed and returned to DES. The completion form will also be sent with your approval letter.

When do I send the Mailing? The mailing must be completed within 90 days after you receive your waiver renewal approval letter. A mailing completion deadline will be listed on the approval letter.

Section 6. PCS Management Program

Local authority to enforce the BMP Rules can be achieved by completing groundwater reclassification or by passing a local ordinance. Various options are available to help public water systems protect their sources of drinking water. Refer to www.des.nh.gov/dwspp or call 271-7061 for additional information.

What is a PCS Management Program? A PCS management program is the most important component of a public water system's source protection program. Its purpose is to manage the PCSs that were inventoried in Section 3. The educational mailing discussed in Section 5 is part of your management program. Large public water systems must also conduct in-person inspections at all PCSs to ensure compliance with New Hampshire's *Best Management Practice (BMP) Rules Env-Wq 401* (formerly Env-Ws 421). BMP Rules are common-sense regulations aimed at preventing activities that could result in a release of hazardous substances.

What is a BMP inspection? A BMP inspection is a visit to a PCS to observe the facility for compliance with the BMP Rules. The purpose of an inspection is to educate PCSs about safe practices to use when storing, handling, or transferring hazardous substances and to make sure they are following those practices. Trained personnel conduct the inspections on an appointment basis. Local enforcement steps may be taken if repeated efforts fail to achieve compliance with BMP Rules at a PCS. The attached BMP Inspection Questionnaire must be filled out and submitted with your application.

How often are BMP inspections done? A BMP inspection must be conducted at each PCS in your WHPA **at least once every three years**. Each tri-annual round of inspections is done on your own schedule. The deadline for completing your next round of BMP inspections will be listed on your waiver renewal approval letter. Your waiver will not be renewed in three years' time if you do not complete your next round of BMP inspections by the deadline.

No PCSs are located within my wellhead protection area; therefore I do not have to conduct any BMP inspections at this time. <i>If you answered 'Yes' this section is complete. Please sign below.</i>	Yes No
Have you completed your required round of BMP inspections of the PCSs identified for your previous waiver renewal?	Yes No
What is your anticipated schedule for completing your next round of BMP inspections?	
What steps will you take if you can't achieve compliance with the BMP Rules following an inspection?	
Who will be performing your next round of BMP inspections? Has the inspector been trained? If so, when?	
Would the inspector benefit from additional BMP inspection training?	Yes No

Is help available? Yes. The DES provides training to improve your understanding of the BMP Rules and to show you how to conduct inspections properly. This training is provided at no cost to your system and may be done at your premises. Water system operators will receive continuing education hours for the training. Please contact Pierce Rigrod at 271-0688 or pierce.rigrod@des.nh.gov to arrange for BMP inspection training or to answer any questions you might have about the BMP Rules or your BMP inspections.

I agree that all of the information on this form and on the map and list of PCSs that I am returning to the DES is complete and accurate to the best of my knowledge. If a waiver renewal is granted I agree to mail or hand-deliver educational materials within the WHPA as explained in Section 5.

Signature of water system representative

Date

Checklist of items to return:

- ☐ Original application for each source
- ☐ Copy of map and report with any changes
- ☐ Wellhead Protection Area Information Questionnaire
- ☐ BMP Inspection Questionnaire

Remember to make a copy for your own files

Return Completed Application To:

Debra Sonderegger
NHDES-DWGB
PO Box 95, Concord, NH 03302-0095
603-271-2862 □ 603-271-0656 (fax)
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